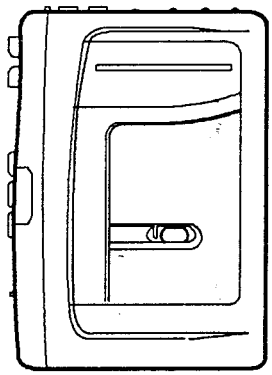
1125

aiwa

HS-JS215

SERVICE MANUAL



STEREO RADIO CASSETTE RECORDER

- BASIC TAPE MECHANISM : α – 1MK II
- TYPE. Y

SPECIFICATIONS

Frequency range:
FM: 87.5–108 MHz
AM: 530–1,705 kHz (USA model)
530–1,605 kHz (Others)
Maximum output:
15 mW + 15 mW (EIAJ/32Ω)
20 mW + 20 mW (EIAJ/16Ω)
Power source:
Battery DC 3V, R6P (LR6, AA) × 2
Domestic AC power (using the optional AC adaptor)
Battery life:
Using manganese batteries (R6P, AA)
HP: Approx. 2.5 hours (EIAJ, recording mode)
Approx. 3.5 hours (EIAJ, 1mW output playback mode)
SPK (HS-JS315 only):
Approx. 3.5 hours (EIAJ, 1mW output playback mode)
Using alkaline batteries (LR6, AA)
HP: Approx. 7 hours (EIAJ, recording mode)
Approx. 9.5 hours (EIAJ, 1mW output playback mode)
SPK (HS-JS315 only):
Approx. 9.5 hours (EIAJ, 1mW output playback mode)
Dimensions:
118 (W) × 85.2 (H) × 32.3 (D) mm
(4¾ × 3⅜ × 1⅜ in.)
Weight:
Approx. 290g (0.64 lb) incl. dry cell battery

- Design and specifications are subject to change without notice.

1125

DISASSEMBLY INSTRUCTIONS

1. "Lid Cass ASSY" Removal (See Figure – 1)
   1) Remove screw (Ⓐ) and remove the "Lid Cass ASSY".
   Note) When reinstalling, hook the "Spr – T, Click" as shown in the figure.

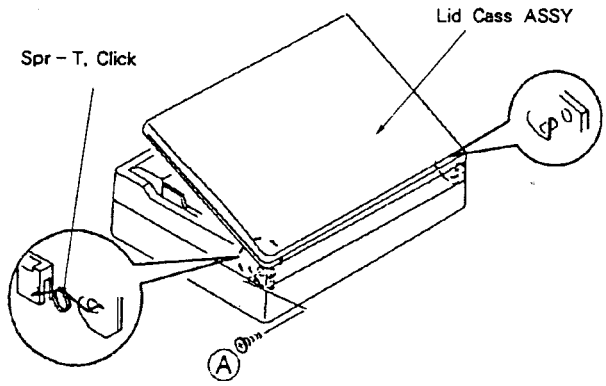


Fig – 1

2. "Hldr, Cass" Removal (See Figure – 2)
   1) Remove 4 screws (Ⓐ) and remove the "Hldr, Cass".

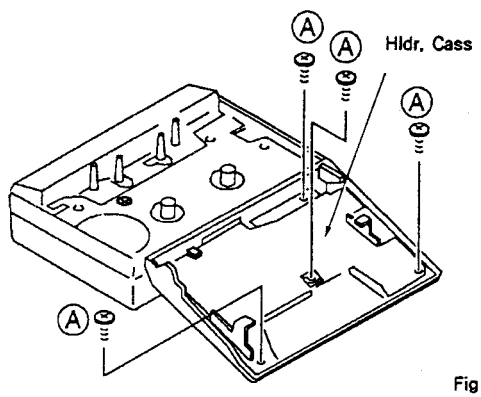


Fig – 2

3. "Cab ASSY, Rear" Removal (See Figure – 3)
   1) Remove 4 screws (Ⓐ× 2, Ⓑ× 1, Ⓒ× 1) and the "Cab ASSY, Rear".

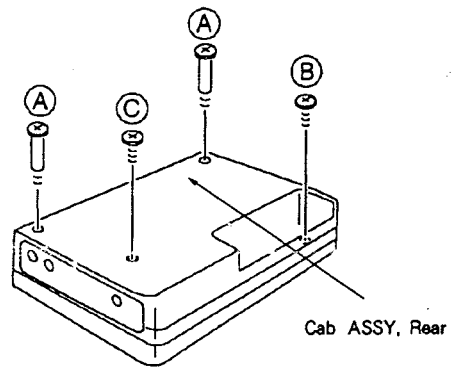


Fig – 3

4. "Main C.B" Removal (See Figure – 4)
   1) Remove 2 screws (Ⓐ) and remove the "Main C.B".

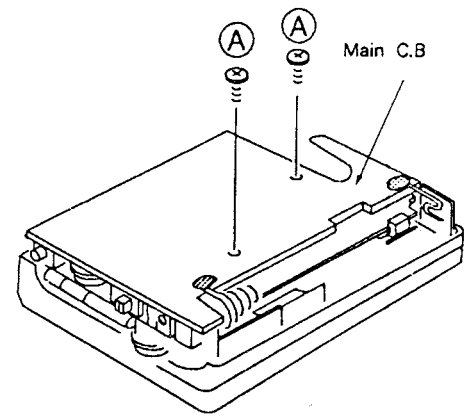


Fig – 4

5. "Mechanism ASSY" Removal
   1) Remove 2 screws (Ⓐ× 1, Ⓑ× 1).(See Figure – 5)

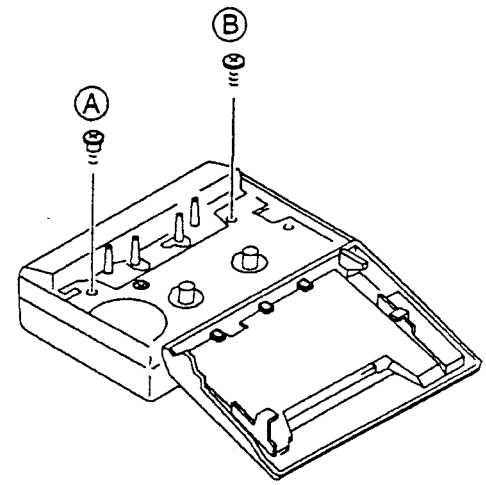


Fig – 5

   2) Release the "Hook" in the direction of arrow ① while removing the "Mechanism ASSY" in the direction of arrow ② to remove the "Mechanism ASSY".(See Figure – 6)

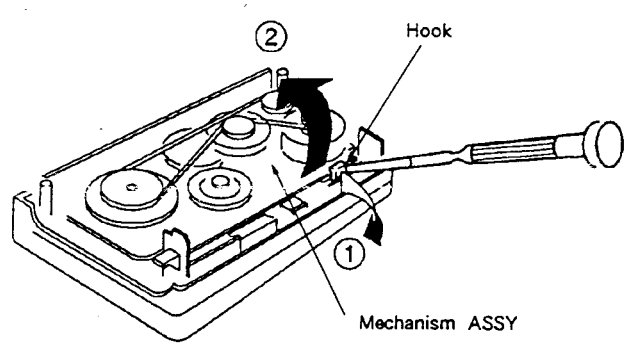


Fig – 6

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	DESCRIPTION
=== IC ===		
	87-001-351-089	IC, AN6612S
	87-020-234-089	IC, TA7688F
	87-001-379-089	IC, TA8122AF
	87-001-943-089	IC, TA8155F
	87-001-516-080	IC, TK11821
=== TRANSISTOR ===		
	89-502-094-089	FET, 2SK209(XY)
	89-502-114-089	FET, 2SK211(KY)
	89-111-624-089	C-TR, 2SA1162(Y) (SY)
	89-112-134-089	C-TR, 2SA1213(Y) (NY)
	89-327-143-089	TR, 2SC2714(QO)
	89-333-266-089	C-TR, 2SC3326(B) (CCB)
	87-026-263-089	C-TR, RN1410(XK)
	87-026-476-089	C-TR, RN1610(XK)
	87-026-268-089	C-TR, RN2411(YM)
	87-026-482-089	C-TR, RN4610(VK)
=== DIODE ===		
	87-020-339-089	C-DIODE, 1SS226(C3)
=== MAIN CIRCUIT BOARD SECTION ===		
BPF1	87-030-136-010	FLTR, BPMB8L 7.0
C1	87-010-178-089	C-CAP, S 1000P-50 B
C2	87-010-178-089	C-CAP, S 1000P-50 B
C3	87-010-184-089	C-CAP, S 3300P-50 B
C4	87-010-184-089	C-CAP, S 3300P-50 B
C5	87-010-805-089	C-CAP, S 1-16F
C6	87-010-805-089	C-CAP, S 1-16F
C7	87-010-197-089	C-CAP, S 0.01-25 B
C8	87-010-197-089	C-CAP, S 0.01-25 B
C9	87-010-499-049	CAP, E 22-6.3 GAS
C10	87-010-499-049	CAP, E 22-6.3 GAS
C11	87-010-805-089	C-CAP, S 1-16F
C12	87-010-805-089	C-CAP, S 1-16F
C13	87-010-805-089	C-CAP, S 1-16F
C14	87-010-805-089	C-CAP, S 1-16F
C15	87-010-188-089	C-CAP, S 6800P-50 B
C16	87-010-188-089	C-CAP, S 6800P-50 B
C17	87-010-087-049	CAP TANTAL, 1-16V
C18	87-010-087-049	CAP TANTAL, 1-16V
C19	87-010-805-089	C-CAP, S 1-16F
C20	87-010-805-089	C-CAP, S 1-16F
C21	87-018-119-019	CAP, TC-U 100P-50 B
C22	87-018-119-019	CAP, TC-U 100P-50 B
C23	87-010-805-089	C-CAP, S 1-16F
C24	87-010-805-089	C-CAP, S 1-16F
C25	87-010-174-089	C-CAP, S 470P-50 SL
C26	87-010-174-089	C-CAP, S 470P-50 SL
C27	87-010-178-089	C-CAP, S 1000P-50 B
C28	87-010-178-089	C-CAP, S 1000P-50 B
C29	87-012-141-089	C-CAP, S 0.22-16 F
C30	87-012-141-089	C-CAP, S 0.22-16 F
C31	87-010-588-049	CAP, E 220-2
C32	87-010-588-049	CAP, E 220-2
C101	87-010-178-089	C-CAP, S 1000P-50 B
C102	87-010-501-019	CAP, E 47-4 GAS
C103	87-010-193-089	C-CAP, S 0.033-25 F
C104	87-010-322-089	C-CAP, S 100P-50 CH
C105	87-010-197-089	C-CAP, S 0.01-25 B
C106	87-010-196-089	C-CAP, S 0.1-25 F
C107	87-010-195-089	C-CAP, S 0.068-25 F
C108	81-HK3-610-019	CAP, E 220-4
C109	87-010-805-089	C-CAP, S 1-16F
C110	87-010-805-089	C-CAP, S 1-16F
C111	87-010-191-089	C-CAP, S 0.015-50 F
C112	87-010-191-089	C-CAP, S 0.015-50 F
C113	87-010-184-089	C-CAP, S 3300P-50 B
C114	87-010-195-089	C-CAP, S 0.068-25 F
C115	87-010-196-089	C-CAP, S 0.1-25 F
C116	87-010-174-089	C-CAP, S 470P-50 SL(FOR-01)
C117	87-010-805-089	C-CAP, S 1-16F
C118	87-010-575-089	C-CAP, S 560P-50 UJ
C119	87-010-335-089	C-CAP, S 15P-50 UJ(ONLY U)
C119	87-010-337-089	C-CAP, S 22P-50 UJ(EXCEPT U)
C120	87-010-330-089	C-CAP, S 7P-50 UJ(FOR-01)
C121	87-010-344-089	C-CAP, 82P-50UJ
C122	87-010-197-089	C-CAP, S 0.01-25 B
C123	87-010-197-089	C-CAP, S 0.01-25 B
C124	87-010-321-089	C-CAP, S 82P-50 CH
C125	87-010-197-089	C-CAP, S 0.01-25 B
C126	87-010-196-089	C-CAP, S 0.1-25 F
C127	87-010-188-089	C-CAP, S 6800P-50 B
C128	87-010-196-089	C-CAP, S 0.1-25 F
C129	87-012-156-089	C-CAP, S 220P CH(FOR-11)
C130	87-010-196-089	C-CAP, S 0.1-25 F
C131	87-018-131-019	CAP, TC-U 1000P-50 B
C132	87-018-119-019	CAP, TC-U 100P-50 B
C133	87-018-127-019	CAP, TC-U 470P-50 B
C134	87-010-326-019	C-CAP, S 3P-50 UJ
C201	87-010-176-089	C-CAP, S 680P-50 SL
C202	87-010-197-089	C-CAP, S 0.01-25 B
C203	87-010-197-089	C-CAP, S 0.01-25 B
C204	87-010-180-089	C-CAP, S 1500P-50 B
C205	87-010-501-049	CAP, E GAS 47-4
C206	87-010-197-089	C-CAP, S 0.01-25 B
C207	87-010-197-089	C-CAP, S 0.01-25 B
C208	87-010-587-049	CAP, E 100-2
C209	87-010-499-049	CAP, E 22-6.3 GAS
C210	87-010-501-049	CAP, E GAS 47-4
C211	87-010-184-089	C-CAP, S 3300P-50 B
C213	87-010-587-049	CAP, E 100-2
C214	87-010-501-049	CAP, E GAS 47-4
C215	84-439-620-019	CAP, E 470-4
C216	87-010-503-049	CAP, E 220-4 GAS
C219	87-010-493-049	CAP, E 0.47-50 GAS
C220	87-010-503-049	CAP, E 220-4 GAS
C221	87-010-805-089	C-CAP, S 1-16F
C222	87-010-503-049	CAP, E 220-4 GAS
CF101	87-008-444-019	FLTR KIT, FM 5RANK
CF103	+++	FLTR KIT, FM 5RANK
CF102	87-008-284-019	FLTR, PFB 468J
CF104	87-030-200-019	VIB, CER CSB 456 F16 2M
D101	87-026-435-080	C-VARICAP, KV1560(A6)
D102	87-026-359-089	C-VARICAP, KV1410(F1)
D103	87-026-359-089	C-VARICAP, KV1410(F1)
J1	87-009-253-019	JACK, 3.5 ST 2.5MM R(STEREO MIC)
J2	87-049-861-019	JACK, 3.5 ST 2.5MM BK(PHONES)
J3	87-009-022-019	DC JACK, LONG(DC3V)
L1	87-003-143-089	COIL, 4.7UH
L2	87-003-143-089	COIL, 4.7UH
L101	80-HJ6-605-019	COIL, LOADING
L102	87-008-447-019	IFT, AM
L103	87-003-226-019	COIL, 100UH(FOR-01)
L103	87-005-749-089	COIL, 100UH(FOR-11)
L104	80-HJ6-615-019	COIL, OSC FM, D
L105	82-HJ6-603-019	COIL, RF FM
L106	80-HJ5-605-019	BAR ANT
L201	87-007-189-019	COIL, OSC
L204	87-003-143-089	COIL, 4.7UH
LED1	87-020-520-019	LED, TLR226 (FORM)(OPE/BATT)
R221	87-022-042-089	C-RES, M M/F 0.51-1/8
SFR3	87-024-050-019	SFR, 1K
SW2	87-036-082-010	SW, SLIDE 2-2-2(REC/PLAY)
SW3	87-036-204-010	SW, SLIDE 1-1-2(TAPE)
SW4	87-036-204-010	SW, SLIDE 1-1-2(FM MODE)
SW5	87-036-020-010	SW, SLIDE 2-2-2(FUNCTION)
SW6	87-036-204-010	SW, SLIDE 1-1-2(PAUSE)
SW7	87-036-109-019	SW, PUSH SPPB 61(PLAY)
SW8	87-036-021-010	SW, SLIDE 2-1-2(BAND)
TC101	87-011-155-019	TRIMMER, CER 10P
TC102	87-011-155-019	TRIMMER, CER 10P
TC103	87-011-155-019	TRIMMER, CER 10P
TH1	87-026-256-010	THMS, HT-100
VR1	87-024-326-019	VR, 20KAX2 DIA8(VOLUME)
=== CONTROL CIRCUIT BOARD SECTION ===		
C301	87-010-321-089	C-CAP, S 82P-50 CH
C302	87-010-154-089	C-CAP, S 10P-50 CH
C303	87-010-196-089	C-CAP, S 0.1-25 F
C304	87-010-746-089	C-CAP, TN 10-4
C305	87-010-197-089	C-CAP, S 0.01-25 B
C306	87-010-196-089	C-CAP, S 0.1-25 F
C307	87-010-452-089	C-CAP, 1-16 F
C401	87-010-424-089	C-CAP, TN 4.7-4
C402	87-010-424-089	C-CAP, TN 4.7-4
C403	87-010-196-089	C-CAP, S 0.1-25 F
C404	87-010-196-089	C-CAP, S 0.1-25 F
L301	87-007-249-089	COIL, DC-DC
L302	87-005-262-089	C-COIL, 10UH
SFR10	87-024-183-089	C-SFR, 10K B
SW301	87-036-123-089	C-SW, SLIDE 1-1-2(SUPER BASS)
VR301	84-427-606-019	VR, 100K(TUNING)
=== RELAY FLEX. CIRCUIT BOARD SECTION ===		
PCB-C	82-HJ6-606-019	CONT FLEX
=== HEAD FLEX. CIRCUIT BOARD SECTION ===		
RPH	87-046-338-019	HEAD, ASSY RPH(W/PCB-D)
SW1	86-567-601-019	SWITCH SLIDE(FWD/REV)
=== MISCELLANEOUS ===		
EH	86-541-601-210	EH
M1	87-045-300-019	MOTOR(BDH3B)

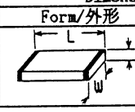
○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip resistor part coding

88 - □□□ - □□□

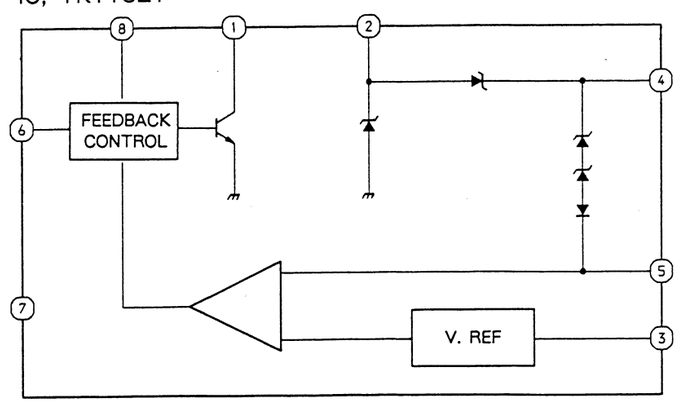
- A: 抵抗コード / Resistor code
- 桁表示 / Figure
- 抵抗値 / Value of resistor

チップ抵抗
Chip resistor

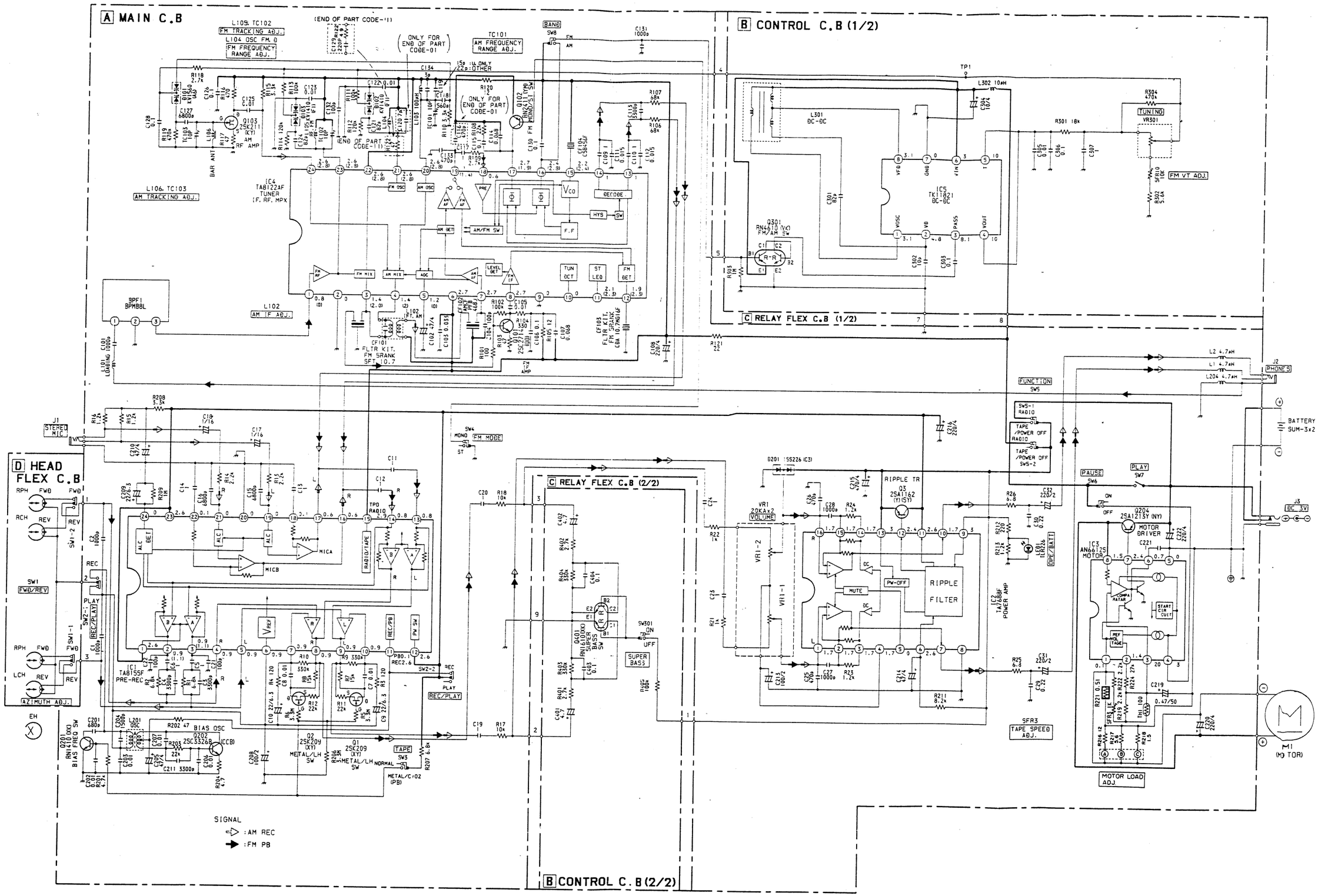
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法(mm) Form/外形	L	W	t	Resistor Code : A 抵抗コード : A
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.5 ～0.7	128

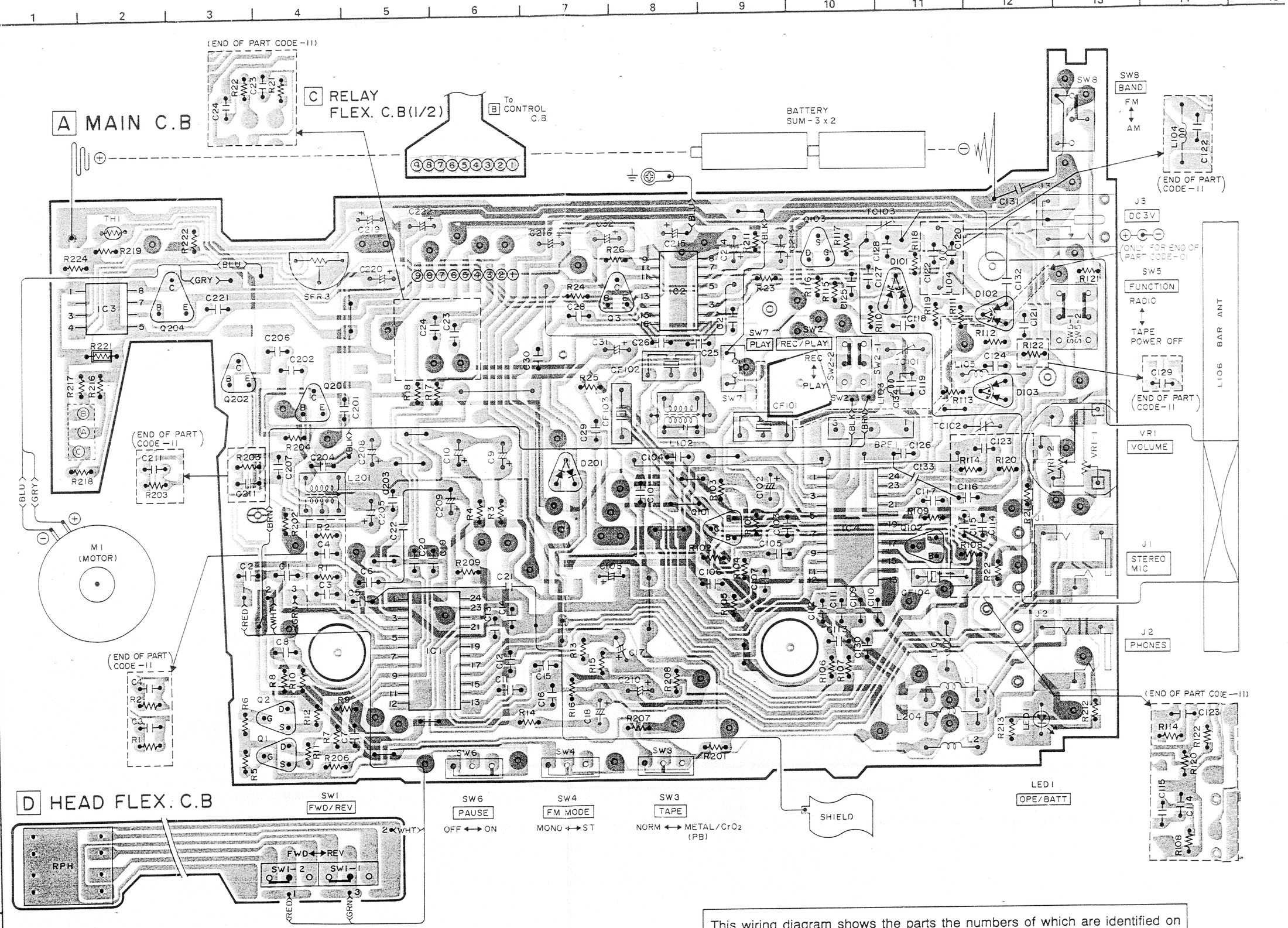
IC BLOCK DIAGRAM

IC, TK11821

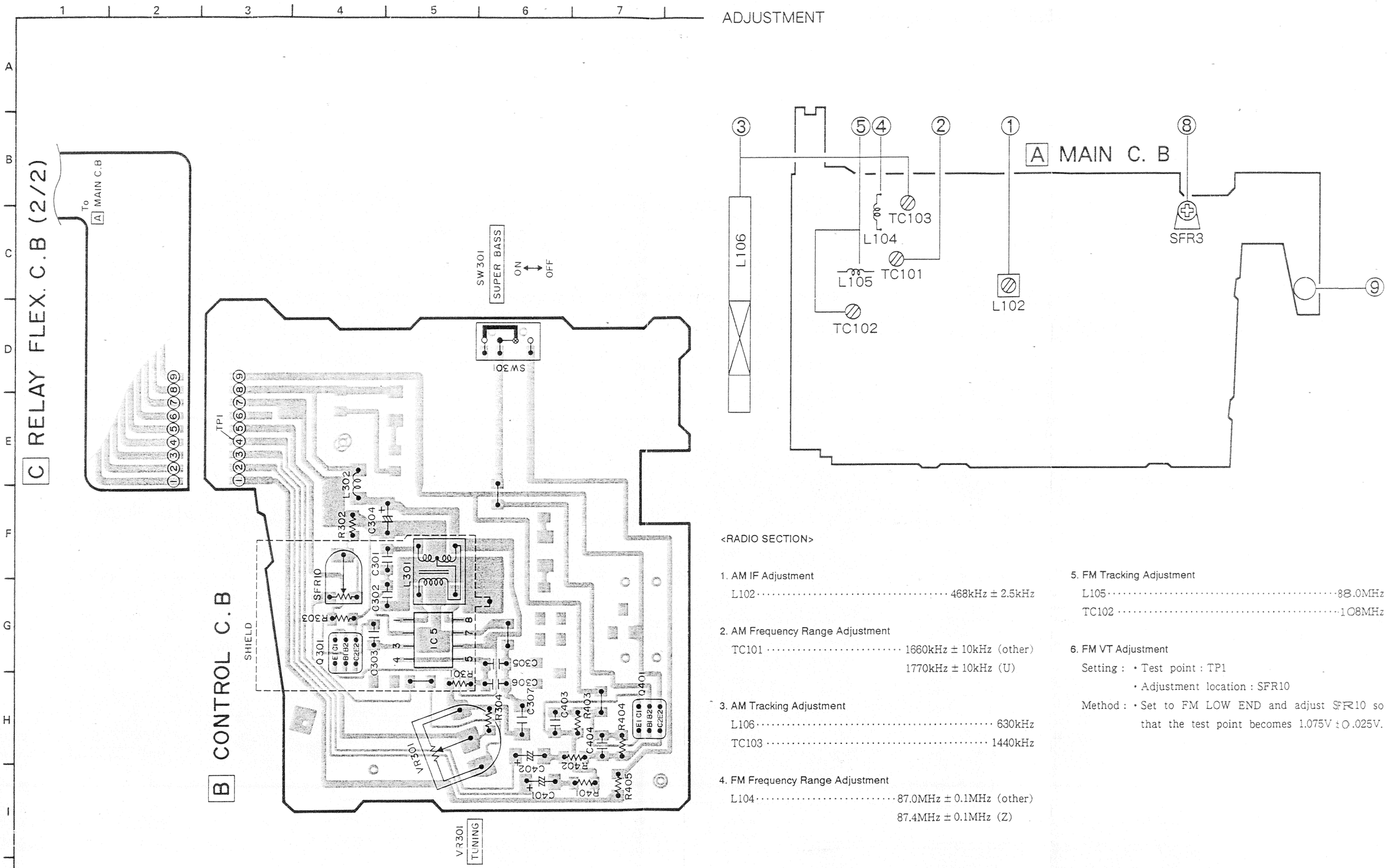


SCHEMATIC DIAGRAM





This wiring diagram shows the parts the numbers of which are identified on the circuit boards and end as 01 and 11 simultaneously.



<RADIO SECTION>

1. AM IF Adjustment
   L102 ····· 468kHz ± 2.5kHz

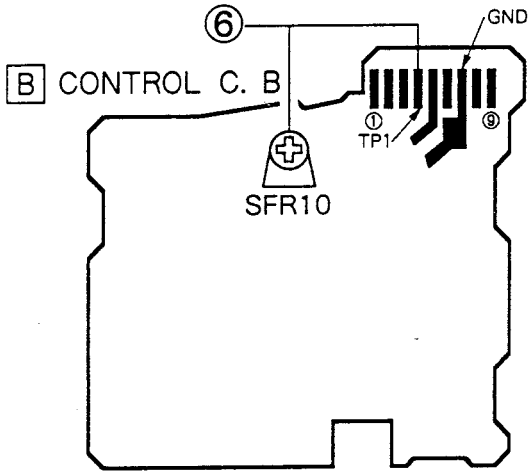
2. AM Frequency Range Adjustment
   TC101 ····· 1660kHz ± 10kHz (other)
   1770kHz ± 10kHz (U)

3. AM Tracking Adjustment
   L106 ····· 630kHz
   TC103 ····· 1440kHz

4. FM Frequency Range Adjustment
   L104 ····· 87.0MHz ± 0.1MHz (other)
   87.4MHz ± 0.1MHz (Z)

5. FM Tracking Adjustment
   L105 ····· 88.0MHz
   TC102 ····· 108MHz

6. FM VT Adjustment
   Setting : • Test point : TP1
   • Adjustment location : SFR10
   Method : • Set to FM LOW END and adjust SFR10 so that the test point becomes 1.075V ± 0.025V.



PRACTICAL SERVICE FIGURE

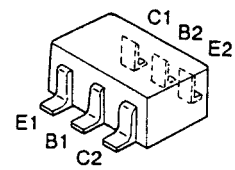
<RADIO SECTION>

Sensitivity:	
(IHF THD 3%)	FM 13 ± 5dB (at 100MHz)
(S/N 10dB)	AM 51 ± 4dB (at 999kHz)
	(at 1000kHz) (YU ONLY)
Intermediate frequency:	FM 10.7MHz
	AM 468kHz
FM Separation:	20 ± 4dB

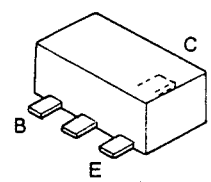
<TAPE RECORDER SECTION>

Wow & flutter:	Less than 0.48% (RMS)
Pinch Roller Pressure:	180 ± 20g-cm (FWD, REV)
Take-up torque:	22~40g-cm (FWD, REV)
F. F torque:	70~140g-cm
Rew torque:	70~140g-cm
Back tension:	2~5.5g-cm (FWD, REV)
S/N ratio:	More than 43dB (P.B)
Distortion:	Less than 3.0% (P.B)
Noise level:	Less than 6mV (VOL MAX. DC)
Erasing ratio:	More than 48dB (1kHz)
Frequency response:	63Hz~8kHz ± 5dB (NORMAL)
	63Hz~10kHz ± 5dB (CrO_2, METAL)

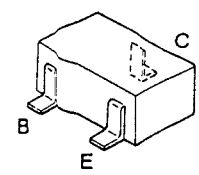
TRANSISTOR ILLUSTRATION



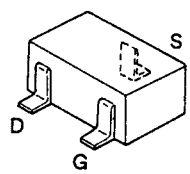
RN1610
RN4610



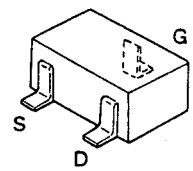
2SA1213



2SA1162
2SC2714
2SC3326
RN1410
RN2411



2SK211



2SK209

<TAPE RECORDER SECTION>

7. Azimuth Adjustment

Settings : • Test tape : TTA – 320
• Test point : PHONES JACK
• Adjustment location : Azimuth adjustment screw
• SUPER BASS SW : OFF

Method : • Play back the 8kHz signal of the test tape, and adjust so that the output becomes maximum at FWD or REV mode.

8. Tape Speed Adjustment

Settings : • Test tape : TTA – 100 (TTA – 111S)
• Test point : PHONES JACK
• Adjustment location : SFR3

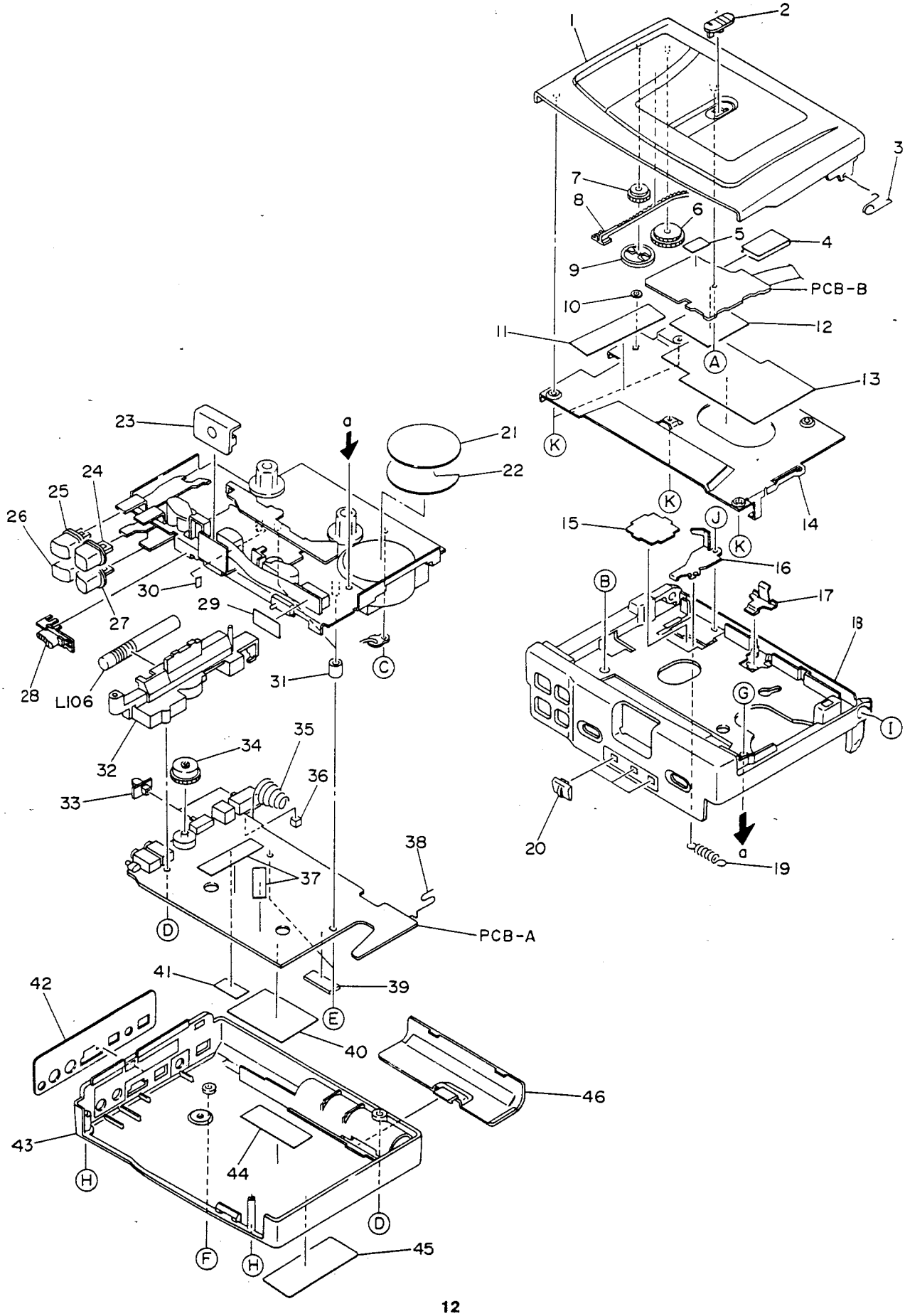
Method : • Play back the test tape, adjust for 3000Hz at FWD and ± 45Hz at REV.

9. Motor load Adjustment

Refer to the REF NO. SI – 88 – 037 – OP of service technical information.

EXPLODED VIEW – 1

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
A	87-067-732-019	VT1.4-3HL	E	87-352-531-319	VT_2+1.7-5 (3)	I	87-067-756-019	SCREW HINGE 1.4-4 HL
B	87-067-494-019	V+1.7-4 (2)	F	87-067-768-019	VT_2+1.7-7 (3) (B)	J	87-067-963-019	SCREW HINGE 1.7-2.5 HL
C	87-358-525-319	VT_2+1.7-2.5 (3)	G	87-067-728-019	S-SCREW HINGE 1.7	K	87-067-527-019	VT+1.4-2.5 (B) HL
D	87-351-529-319	VT_2+1.7-4 (1) (B)	H	87-067-973-019	S-SCREW 1.7-2.1			



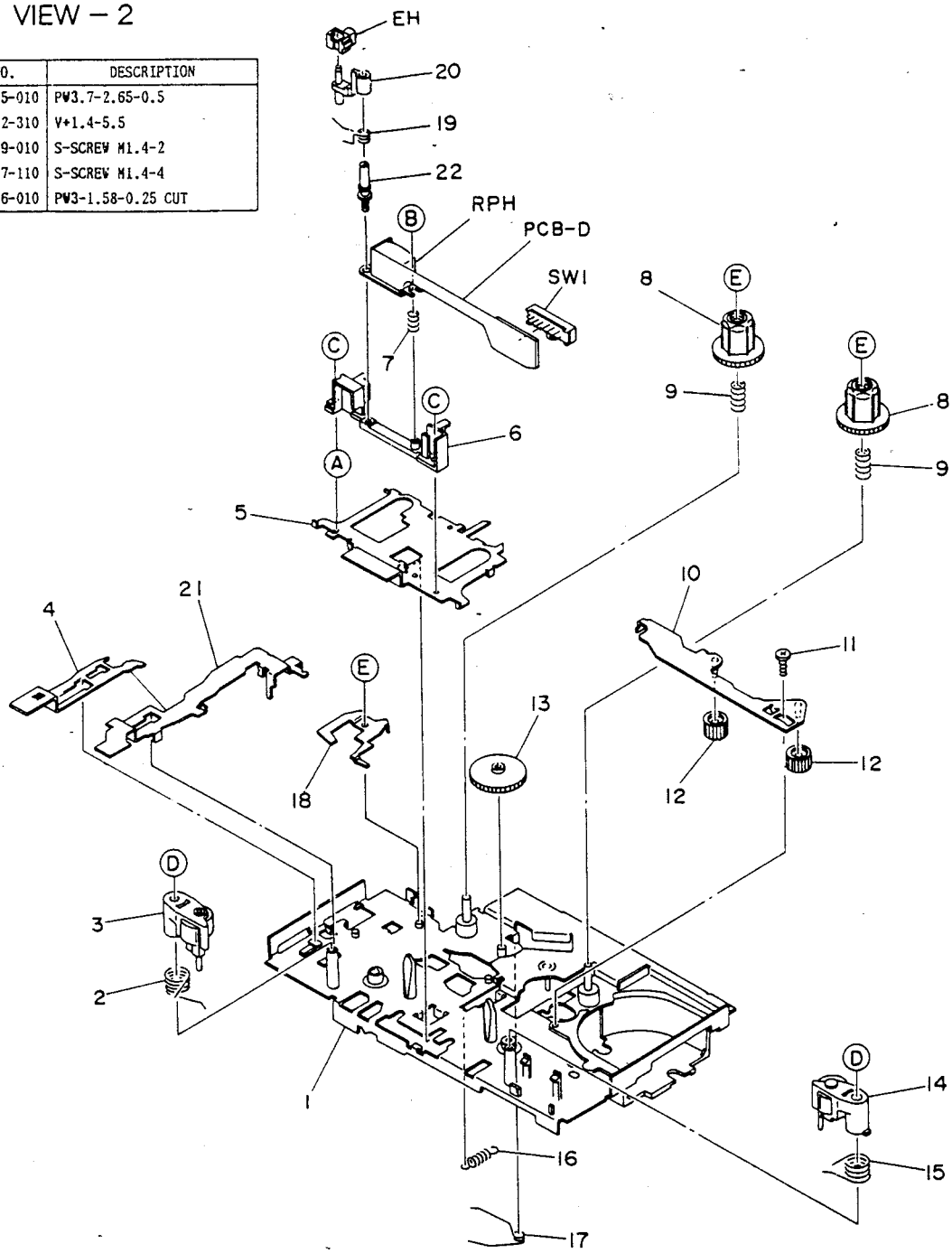
MECHANICAL PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	1-1	09-028-058-010	LID CASS ASSY(WYUB)	*	1
	1-1	09-028-059-010	LID CASS ASSY(EXCEPT WYUB)	*	1
	1-2	82-HJ7-010-019	KNOB, SL SB	*	1
	1-3	82-HJ6-217-019	SPR-T, CLICK		1
	1-4	82-HJ6-610-010	SHIELD, SH CONT		1
	1-5	82-HJ6-595-019	MYLAR 9-11		1
	1-6	82-HJ6-205-019	GEAR, TUN A		1
	1-7	82-HJ6-206-019	GEAR, TUN B		1
	1-8	82-HJ6-017-019	POINTER, TUN		1
	1-9	82-HJ6-016-119	KNOB, TUN		1
	1-10	87-078-024-019	SHEET 3.5-1.4-0.2		1
	1-11	82-HJ6-012-019	SHEET, HLDR		1
	1-12	82-HJ6-597-019	MYLAR 30-50		1
	1-13	82-HJ6-215-019	SHEET, SPEAKER		1
	1-14	82-HJ6-201-119	HLDR, CASS		1
	1-15	82-HJ6-025-019	SHEET, CASS		1
	1-16	82-HJ6-212-019	LVR, REC PREVENTION		1
	1-17	82-HJ6-204-019	P-SP, CASS		1
	1-18	82-HJ6-003-219	FRAME, CENTER BLK		1
	1-19	82-HJ6-214-019	E-SP, LEVER		1
	1-20	82-HJ6-011-019	KNOB, SL FRONT		3
	1-21	84-530-023-019	LABEL, MOTOR		1
	1-22	89-038-084-019	SHIELD BOARD B		1
	1-23	82-HJ6-006-019	BTN, PLAY		1
	1-24	82-HJ6-010-019	BTN, REC		1
	1-25	82-HJ6-009-019	BTN, STOP		1
	1-26	82-HJ6-008-019	BTN, REW		1
	1-27	82-HJ6-007-019	BTN, FF		1
	1-28	82-HJ6-014-019	KNOB, SL DIRECTION		1
	1-29	---	CLOTH 15-10		1
	1-30	80-HJ5-599-119	MYLAR SHEET 3-6-0.1		1
	1-31	82-HJ6-211-019	JOINT, PWB		2
	1-32	82-HJ6-209-019	HLDR, ANT JACK		1
	1-33	80-HJ6-013-119	KNOB, SL B		2
	1-34	84-506-028-119	KNOB VOLUME		1
	1-35	82-HJ6-208-019	BAT-CONTACT -		1
	1-36	82-HJ6-219-019	G-CUSHION 2-2		1
	1-37	82-HJ6-596-019	MYLAR 9-25		2
	1-38	82-HJ6-207-019	BAT-CONTACT +		1
	1-39	82-HJ6-594-019	M-CUSHION 8-18		1
	1-40	82-HJ6-609-010	SHELD SH, MAIN		1
	1-41	82-HJ6-593-019	MYLAR 20-25		1
	1-42	82-HJ6-019-019	PLATE, JACK		1
	1-43	82-HJ6-024-119	CAB ASSY, REAR		1
	1-43a	82-HJ6-004-019	LID BATT BLK		1
	1-44	84-499-618-010	SHIELD PLATE ASSY R		1
	1-45	82-HJ7-003-019	LBL, SPEC YJ(YJ1B)	*	1
	1-45	82-HJ7-004-019	LBL, SPEC Y(EXCEPT YJ1B, WYUB)	*	1
	1-45	---	LBL, SPEC(WYUB)		1

EXPLODED VIEW – 2

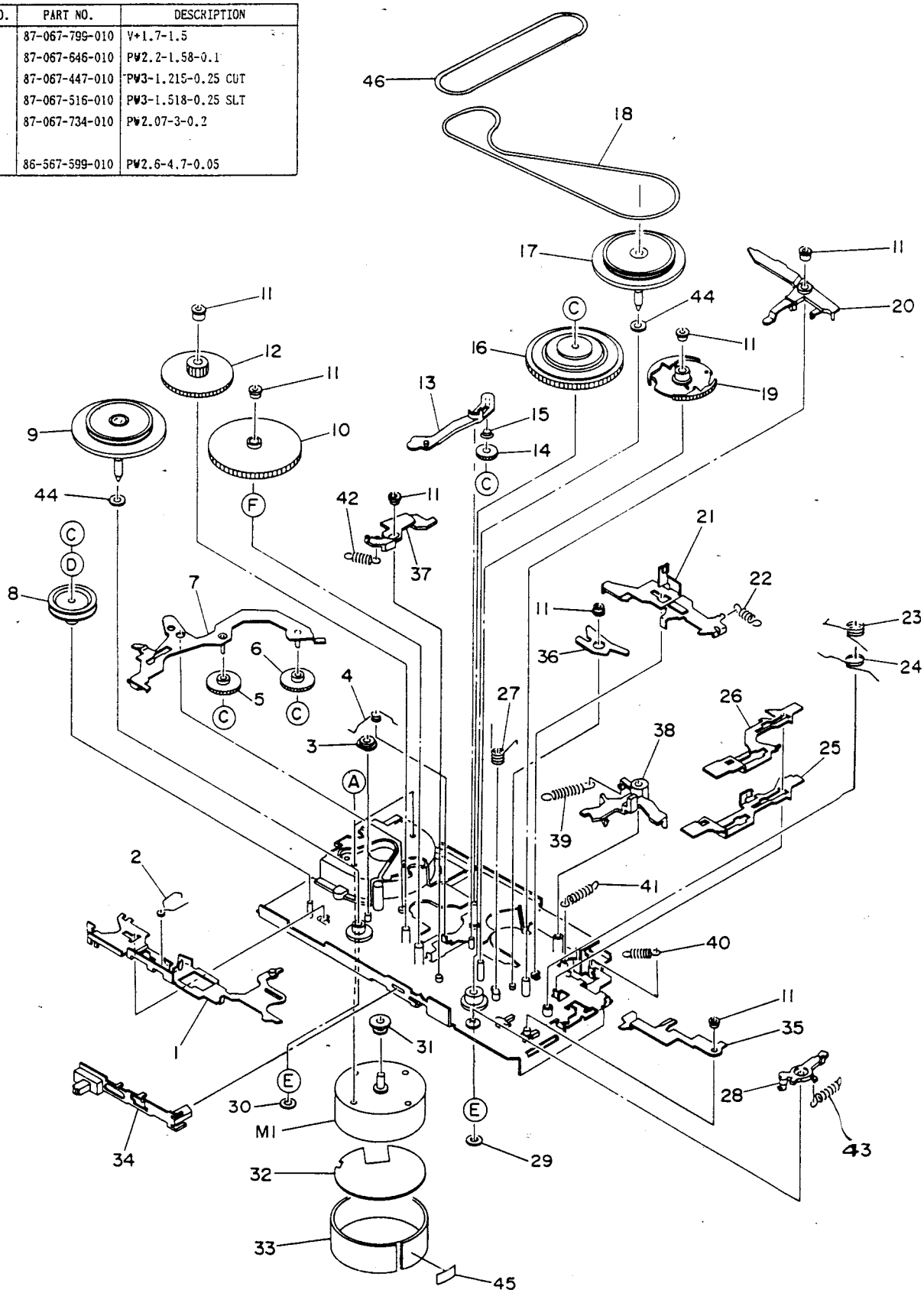
REF.NO.	PART NO.	DESCRIPTION
A	87-067-645-010	PW3.7-2.65-0.5
B	87-268-512-310	V+1.4-5.5
C	87-067-749-010	S-SCREW M1.4-2
D	87-067-517-110	S-SCREW M1.4-4
E	87-067-516-010	PW3-1.58-0.25 CUT



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	2-1	86-567-244-610	OUTSERT CHASSIS ASSY 2R		1
	2-2	86-567-231-319	T-SPRING, PINCH RP		1
	2-3	86-541-547-010	LEVER PINCH R ASSY		1
	2-4	86-567-264-110	PLATE S, STOP		1
	2-5	86-567-261-010	CHASSIS, SLIDE S		1
	2-6	86-541-283-210	GUIDE, TAPE		1
	2-7	86-541-318-119	C-SPRING, AZIMUTH		1
	2-8	86-541-236-010	GEAR, REEL PLATFORM		2
	2-9	86-567-255-119	C-SPRING, REEL PLATFORM MK2		2
	2-10	86-541-509-119	PLATE FR ASSY B		1
	2-11	86-541-519-019	SCREW, FR		1
	2-12	86-541-520-110	GEAR, FR2		2
	2-13	86-541-239-010	GEAR, REW		1
	2-14	86-541-546-010	LEVER PINCH F4 ASSY		1
	2-15	86-567-230-319	T-SPRING, PINCH FR		1
	2-16	86-541-331-010	E-SPRING, ACTUATING		1
	2-17	86-541-347-219	T-SPRING, FR LEVER		1
	2-18	86-541-277-210	LEVER, REC LOCK		1
	2-19	86-541-344-010	T-SPRING, EH LEVER		1
	2-20	86-541-287-310	LEVER, EH		1
	2-21	86-567-267-010	PLATE S, REC		1
	2-22	86-541-369-010	SCREW M1.4 EH		1

EXPLODED VIEW – 3

REF.NO.	PART NO.	DESCRIPTION
A	87-067-799-010	V+1.7-1.5
B	87-067-646-010	PW2.2-1.58-0.1
C	87-067-447-010	PW3-1.215-0.25 CUT
D	87-067-516-010	PW3-1.518-0.25 SLT
E	87-067-734-010	PW2.07-3-0.2
F	86-567-599-010	PW2.6-4.7-0.05



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	3-1	---	PLATE PINCH SELECT ASSY		1
	3-2	86-541-320-710	T-SPRING, PLAY LEVER		1
	3-3	86-567-234-010	COLLAR, LEVER		1
	3-4	86-541-334-210	T-SPRING, AUTO LEVER		1
	3-5	86-541-477-210	GEAR, PLAY M		1
	3-6	86-541-242-310	GEAR, PLAY		1
	3-7	86-541-479-310	LEVER PLAY ASSY M		1
	3-8	86-567-260-110	PULLEY, RELAY S		1
	3-9	86-567-271-110	FLYWHEEL ASSY FS		1
	3-10	86-541-237-210	GEAR, AUTO CAM		1
	3-11	86-541-376-110	COLLAR, PCB		7
	3-12	86-541-448-010	GEAR, REDUCTION B		1
	3-13	86-541-534-110	CAM, AUTO LEVER		1
	3-14	86-541-521-010	GEAR, AUTO		1
	3-15	86-541-325-010	C-SPRING, AUTO GEAR		1
	3-16	86-567-257-119	GEAR CLUCHT ASSY MK2		1
	3-17	86-567-272-110	FLYWHEEL ASSY RS		1
	3-18	86-567-268-010	BELT, LS		1
	3-19	86-541-238-510	CAM, GEAR R		1
	3-20	86-541-284-410	LEVER, TRIGGER		1
	3-21	86-567-245-210	PLATE, REC LOCK		1
	3-22	86-541-332-119	E-SPRING, LOCK PLATE		1
	3-23	86-541-349-010	T-SPRING, FR BUTTON		1
	3-24	86-567-214-019	T-SPRING, TRIGGER		1
	3-25	86-567-265-010	PLATE S, FF BUTTON		1
	3-26	86-567-266-010	PLATE S, REW BUTTON		1
	3-27	86-541-345-310	T-SPRING, SELECT CAM		1
	3-28	86-541-286-110	LEVER, DIRECTION		1
	3-29	87-067-605-010	PW 3.5-1.45-0.3 CUT		1
	3-30	87-067-783-010	PW 1.37-3.5-0.3 CUT		1
	3-31	86-541-475-110	PULLEY, MOTOR M		1
	3-32	---	SHIELD, PCB B		1
	3-33	---	SHIELD, PCB		1
	3-34	82-HJ6-015-019	KNOB, SLIDE MODE		1
	3-35	86-541-522-210	LEVER, EH RETURN 2		2
	3-36	86-541-527-110	LEVER, TRIGGER LOCK		1
	3-37	86-541-288-410	LEVER, MODE CHANGE		1
	3-38	86-541-292-310	LEVER, REC EJECT		1
	3-39	86-541-297-210	E-SPRING, REC EJECT		1
	3-40	86-541-312-110	E-SPRING, REC LOCK		1
	3-41	86-541-336-010	E-SPRING, REC BLOCKING		1
	3-42	86-541-341-010	E-SPRING, MODE SELECT		1
	3-43	86-541-343-010	E-SPRING, DIRECTION		1
	3-44	87-067-726-010	SOME SHEET 2.1-3.5-0.25		2
	3-45	---	LABEL, NO MOTOR		1
	3-46	86-567-269-010	BELT, SS		1

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
ECM	ECM
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
ｻｰｼﾞｻﾌﾟﾚｯｻ	SERGESUPPRESSOR
ｾﾗｺﾝ	CAP, CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BAT, CONTACT ASSY	BATTERY CONTACT ASSY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CHAS, FR	CHASSIS, FRONT
CHAS, MECHA	CHASSIS, MECHANISM
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
KNOB, VOL REV	KNOB, VOLUME REV
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTORL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOADING MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP, SCREW BAT	SPECIAL SCREW BATTERY
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
SW	SWITCH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ｼｬﾌｰﾑ	ARM, SHAFT
ｼｬｶﾞｲﾄﾞ	GUIDE, SHAFT
ｽﾄﾗｯﾌﾟ	STRAP

■ ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	82-HJ6-901-019	IB, Y		1
	2	82-HJ6-904-019	IB, YJ (YJ1 ONLY)		1
	3	87-041-065-019	MIC, CM－S30A		1
	4	87-048-226-019	HP－M16A (WYU, Y, YZ)		1
	5	87-048-238-019	HP－23NA (Y1, YZ1, YK1, YJ1)		1
	6	87-080-029-019	CLIP －BELT ASSY		1

サービス技術ニュース	
番号	連絡内容
G－ －	
G－ －	
G－ －	

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